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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,452	04/13/2004	James L. Hendrix	TWI-24110	4696
28584	7590 05/09/2007 & POLLOCK LLP		EXAM	IINER ·
353 SACRAM	ENTO STREET		STAFIRA, MICHAEL PATRICK	
SUITE 2200	ISCO, CA 94111		ART UNIT	PAPER NUMBER
Shirt Figure	300, 071, 1117		2886	
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			MAIL DATE	DELIVERY MODE
		•	05/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
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	Office Action Summary	10/823,452	HENDRIX ET AL.		
	y	Examiner	Art Unit		
	The MAILING DATE of this communication app	Michael P. Stafira	2886		
Period fo		ears on the cover sheet with the c	orrespondence address		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this communication. D. (35 U.S.C. § 133).		
Status					
1)🖂	Responsive to communication(s) filed on amen	ndment filed 2/26/2007.			
2a)⊠	This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.			
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.		
Disposit	ion of Claims				
5)□ 6)⊠ 7)□	Claim(s) 1,7 and 15 is/are pending in the applic 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed.  Claim(s) 1,7 and 15 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	vn from consideration.			
Applicati	on Papers				
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on 13 April 2004 is/are: a) Applicant may not request that any objection to the conference of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Example 1.	☑ accepted or b)☐ objected to be drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
12) 🗌 . a)[	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau see the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage		
Attachmen	t(s)				
2)  Notic 3)  Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary ( Paper No(s)/Mail Date 5) Notice of Informal Pate 6) Other:	te		

# **DETAILED ACTION**

### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

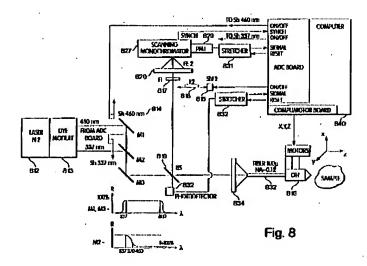
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 7, 15 are rejected under 35 U.S.C. 102(b) as being anticipated by DeBaryshe et al. ('364).

## Claim 1

DeBaryshe et al. ('364) discloses an illumination source that generates a probe beam (Fig. 8, Ref. 812, 813); a series of optical components (See Fig. 8) that cause a portion of the probe beam to be reflected by a measurement area on the sample surface and subsequently transported to a detector (Fig. 8, Ref. 831), where the series of optical components includes at least one mirror (Fig. 8, Ref. 826, 834)(off-axis parabolic mirror Col. 34, lines 6-12, which would meet applicant's conditions for a highly reflective optical element); and a processor (Fig. 8, Ref. Computer) for analyzing signals generated by the detector (Fig. 8, Ref. 829)(See Abstract).

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#### Claim 7

DeBaryshe et al. ('364) discloses an illumination source that generates a probe beam (Fig. 8, Ref. 812, 813); a series of optical components (See Fig. 8) that cause a portion of the probe beam to be reflected by a measurement area on the sample surface (Fig. 8, Ref. M1-M3); a second series of optical components with at least one mirror (Fig. 8, Ref. 826, 834)(off-axis parabolic mirror Col. 34, lines 6-12, which would meet applicant's conditions for a highly reflective optical element) that gather the illumination to the detector (Fig. 8, Ref. 831), and a processor (Fig. 8, Ref. Computer) for analyzing signals generated by the detector (Fig. 8, Ref. 829)(See Abstract).

#### Claim 15

DeBaryshe et al. ('364) discloses an illumination source that generates a probe beam (Fig. 8, Ref. 812, 813); a series of optical components (See Fig. 8) that cause a portion of the probe beam to be reflected by a measurement area on the sample surface and subsequently transported to a detector (Fig. 8, Ref. 826, 834)(off-axis parabolic mirror Col. 34, lines 6-12,

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which would meet applicant's conditions for a highly reflective optical element), the series of optical components include at least one mirror (Fig. 8, Ref. 826, 834); and a processor (Fig. 8, Ref. Computer) for analyzing signals generated by the detector (Fig. 8, Ref. 829)(See Abstract).

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## Response to Arguments

Applicant's arguments filed 2/26/2007 have been fully considered but they are not 3. persuasive.

Applicant takes the position for claim 1 that the reference of DeBaryshe fails to disclose TSE (D)  $\leq$  2e-0.15D etc.. The examiner takes the position that the equation TSE (D)  $\leq$  2e-0.15D fails because while a scientific truth, or the mathematical expression of it, is not patentable invention, a novel and useful structure created with the aid of knowledge of scientific truth may be; Warmerdam, 33 F.3d at 1360, 31 USPQ2d at 1759. In this case the claim limitations fail to provide a useful structure from the TSE (D)  $\leq$  2e-0.15D and therefore, is not a patentable limitation. For example the equation would need values for the equation, which would define a mirror meeting a certain condition. Therefore, the rejection of claim 1 stands as stated in the above paragraphs.

Applicant further takes the position on claims 7 and 15 that the reference of DeBaryshe fails to disclose the series of optical components transports at least 99% of the gathered illumination to a detector or at least 99% of the portion of the probe beam that is reflected by the measurement areas reaches the detector. Examiner takes the position that the reference of DeBaryshe shows in the figures that all the light "reflected" (48) from the measurement object (18) is reached from the detector (24). Since the reference of DeBaryshe silent in providing

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evidence in the specification or the figures wherein reflected light is not being measured it is assumed that 100% of the reflected light reaches the detector. One would want in the optical detection art to have at least 100% of the light reaching the detector because anything less would be missed data on the object which would decrease the accuracy of the measurement. Therefore, the rejection of claims 7 and 15 stand as rejected in the above paragraphs.

#### Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P. Stafira whose telephone number is 571-272-2430. The examiner can normally be reached on 4/10 Schedule Mon.-Thurs..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tarifur Chowdhury can be reached on 571-272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael P. Stafira Primary Examiner Art Unit 2886

May 4, 2007